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FIG. 2 is a schematic diagram of the circuit of FIG. 1, showing the internal structure of the circuit.

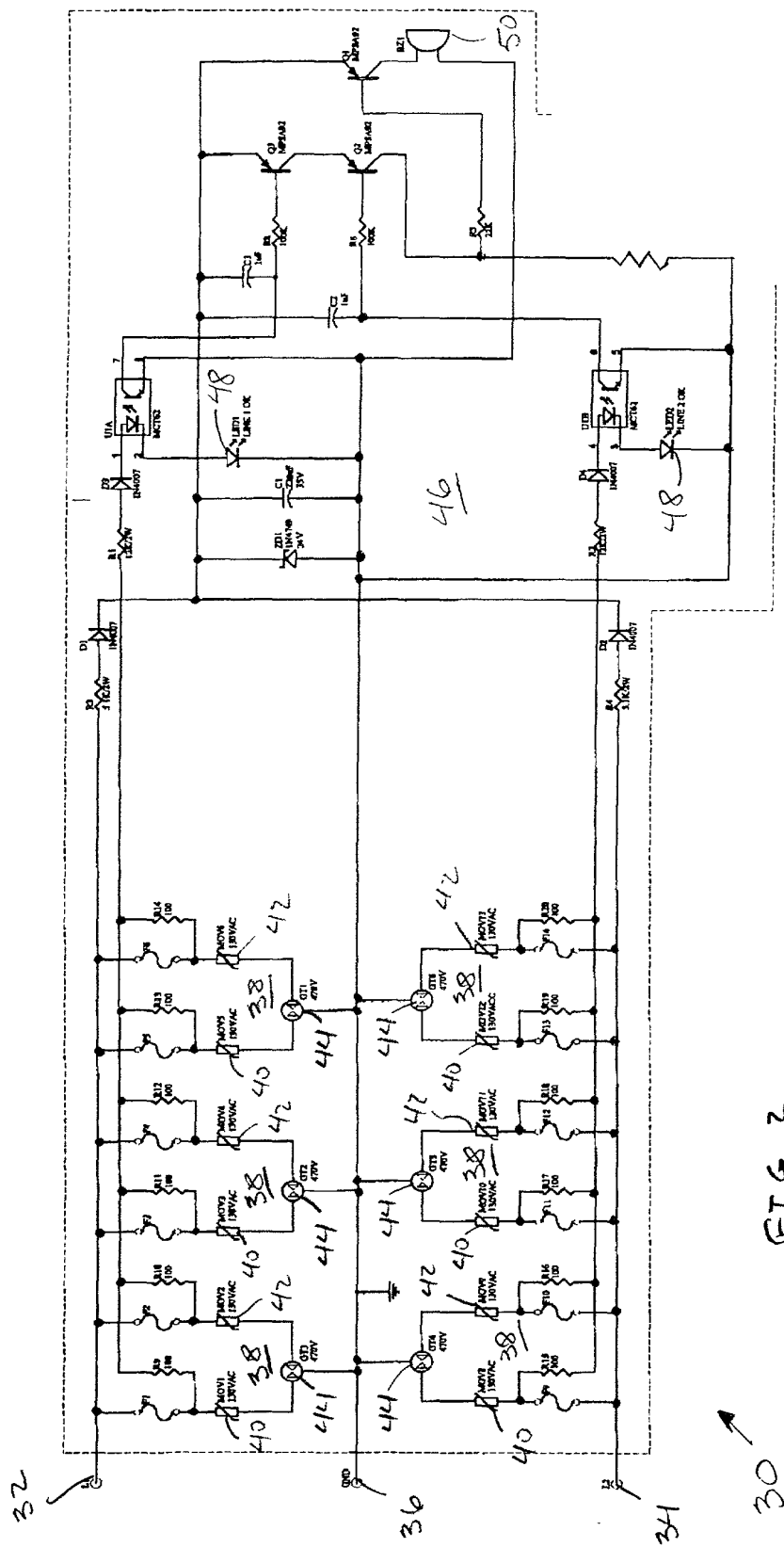


FIG. 2

1. The circuit is a full-wave bridge rectifier with a center-tapped transformer. The primary winding is connected to the AC source. The secondary winding has a center tap connected to ground. The four secondary terminals are connected to the four diodes of the bridge rectifier. The output of the rectifier is connected to a load resistor.

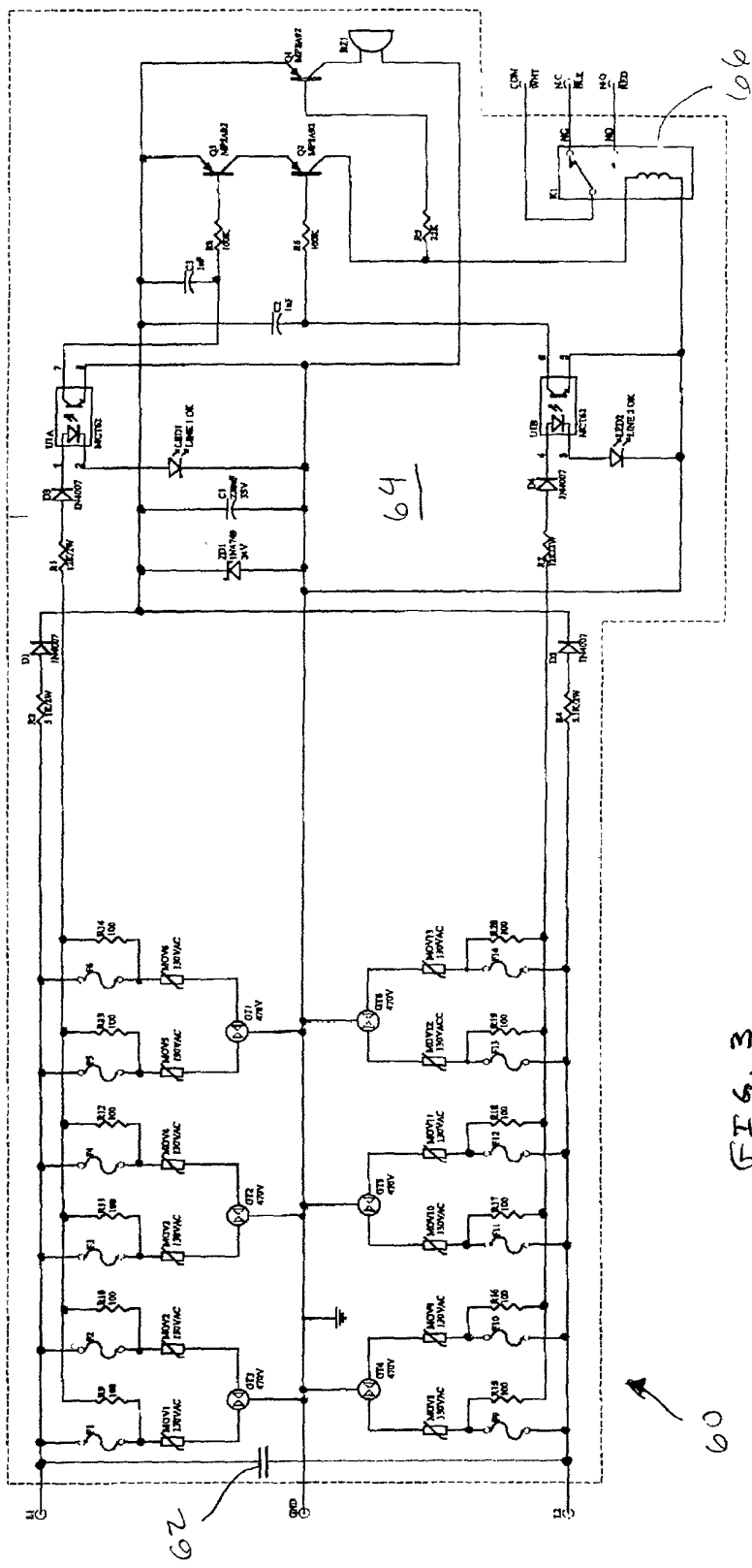
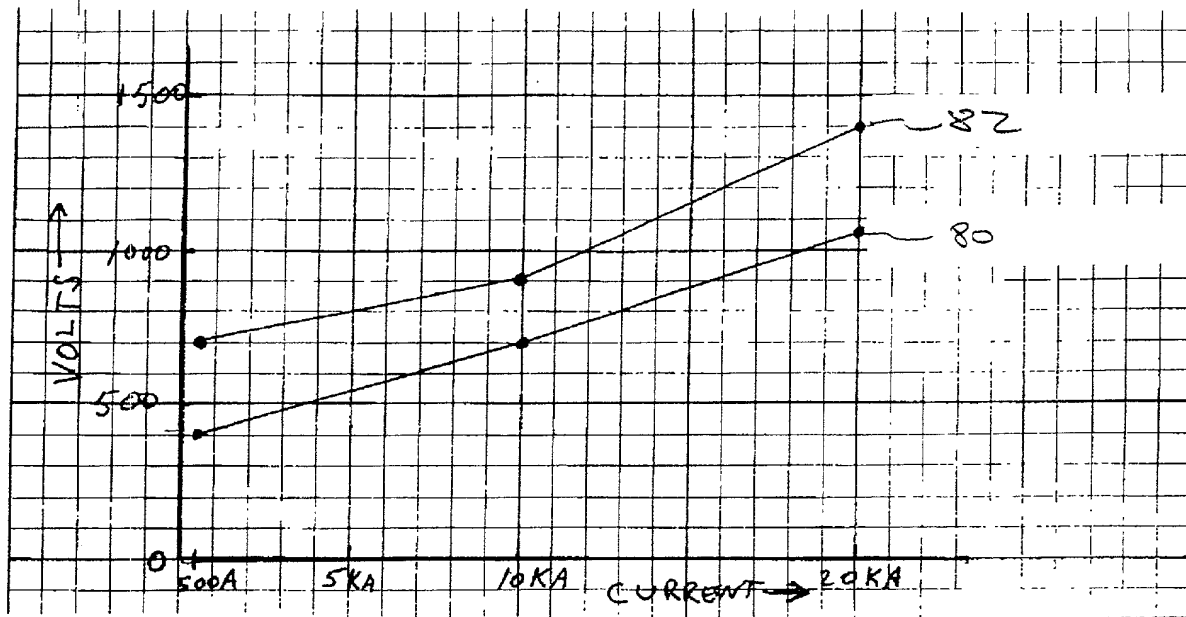


FIG. 3



TEST CURRENT>	500A	10,000A	20,000A
OLD DESIGN	700V	900V	1400V
NEW DESIGN	400V	700V	1050V

FIG. 4